CLAIMS AMENDMENT

Please amend the Claims as follows:

- 1. (currently amended) A composition for stabilization of vinyl monomers; the composition including (a) at least one alkyl hydroxyl amine compound and at least one <u>phenolic</u> sulfide compound, or (b) at least two alkyl hydroxyl amine compounds and at least one phenolic compound.
- 2. (canceled).
- 3. (original) The composition of claim 1 wherein amine components are 10-90 wt.% of the total composition.
- 4. (original) A process for the stabilization of dienes, vinyl aromatic monomers, or acrylic acid and its esters by the addition of the composition of claim 1.
- 5. (original) The composition of claim 1 wherein each of the alkylhydroxylamine compounds has the general formula:

where R¹ and R² are the same or different, and can be hydrogen, alkyl, hydroxyalkyl, alkoxyalkyl, and sulfonated alkyl groups, cyclic or branched, but cannot both be H, a H and a methyl, or both be methyl.

6.(withdrawn) The composition of claim 1 wherein the phenolic compounds has the formula:

$$R^3$$
 R^5

wherein R^3 and R^5 are the same or different, and can be hydrogen, alkyl, hydroxyl, and alkaryl groups; and R^4 is C_1 - C_{20} alkyl, alkanoic acid ester, alkaryl, alkylamino, or amine groups.

- 7. (withdrawn) The composition of claim 1 wherein the stabilizer is comprised of diethylhydroxylamine (DEHA), dibutylhydroxylamine (DBHA), and 4-tert- butylcatechol (TBC).
- 8. (withdrawn) The composition of claim 7 comprised of 25-45% DEHA, 25-45% DBHA, and 20-40% TBC.
- 9. (currently amended) The composition of claim 1 wherein the <u>phenolic</u> sulfide compound has the general formula:

$$R^6-S_{x^-}(R^7-S_{x})_{y^-}R^8$$

wherein each x is independently a number between 1-10, y is a number between 0-50 and R^6 , R^7 and R^8 are the same or different, and can be alkyl and aryl groups.

- 10. (canceled).
- 11. (currently amended) The composition of claim 9 wherein the sulfide is an alkyl phenol sulfide having the formula:

$$\begin{array}{c|c} OH & S_x & S_x$$

wherein each x is independently a number between 1-10 y is a number between 1-50, preferably-1-20 and R^9 , R^{10} and R^{11} are each 1,1-dimethylpropyl.

- 12. (original) The composition of claim 11 therein the sulfide is a an amylphenoldisulfide polymer.
- 13.(original) The composition of claim 1 used to stabilize butadiene, isoprene or styrene.